

1 On page 17, line 7, after "floor space", please insert ---member---.

On page 17, line 8, after "lower gusset", please delete "162b" and replace it with ---164'---.

5 On page 17, line 12, after "width to the", please delete "lower plate 196", and replace it with ---floor space member 200---.

On page 17, line 14, after "panel", please delete "100b", and replace it with ---100a---.

In the claims:

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Please cancel claims 7, 8 and 9. Please also cancel claims 15, 16, 17, 18, 19, 20 and 21.

Please amend the claims as follows:

15

1. (Once amended) A pre-assembled apparatus for reducing the tendency of upper portions of walls to move with respect to [the] a foundation as a result of lateral forces applied in a direction parallel to the wall, said apparatus comprising:

20

two vertically extending posts having both an upper and a lower end and defining a front and a back side, wherein said two vertically extending posts are positioned in a pre-selected spaced relationship;

25

a horizontally extending upper member which is connected to said upper ends of said two vertically extending posts and wherein said horizontally extending upper member is configured to be connected to an upper portion of said wall;

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one or more brace members that interconnect said two vertically extending posts so as to maintain said vertically extending posts in said pre-selected spaced relationship when said apparatus is installed in a wall that is under shear stress from said lateral forces; and

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two attachment points which are respectively connected to said lower ends of said two vertically extending posts wherein said both of said two attachment points are configured to be attached to an anchor point that is anchored in said foundation of said building to thereby anchor said vertically extending posts to said anchor points, and wherein said apparatus is pre-assembled to allow for installation in said

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1 wall by attaching said two attachment points to said anchor points  
and connecting said upper member to said upper portion of said wall  
so that said apparatus thereby reduces the tendency of said upper  
portion to move relative said foundation.

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4. (Once amended) The apparatus of Claim 3, wherein said apparatus  
[reduces] is adapted to reduce the tendency of an upper portion of said wall  
to move relative said foundation [resisting the] with respect to an uplift  
force, said uplift force on [of] said wall occurring as a result of [said] an  
10 overturn movement caused by said wall being exposed to said lateral forces.

6. (Once amended) The apparatus of Claim 5, wherein said two vertical  
posts are approximately 7'-8" in height and said apparatus is less than 3 feet  
in width and [is reducing] said apparatus is adapted to reduce the tendency  
15 of said upper portion of said wall to move when said upper horizontal  
member of said apparatus is connected to said upper portion of said wall,  
said upper portion of said wall being formed with an upper plate, and when  
said lateral forces cause said upper plate to move, causing motion, said  
apparatus reduces said [the] motion of [an] said upper plate of said wall that  
20 is connected to said upper horizontal member to approximately 0.5" of  
deflection or less from a rest position when subjected to 3,500 lb. of said  
lateral forces applied on said upper plate in [a] said direction parallel to said  
horizontal upper member in a pseudo-cyclic shear testing.

25 10. (Once amended) An apparatus for reducing the tendency of an upper  
portions of a wall[s] in a building to move with respect to [the] a foundation  
as a result of lateral forces applied in a direction parallel to the wall, said  
apparatus in combination with said wall comprising:

30 said wall, said wall having an upper plate, a lower plate, and  
studs connecting said upper plate to said lower plate, said studs  
supporting said upper plate;

said apparatus inserted within and connected to said wall, said  
apparatus comprising

35 two vertically extending posts having both an upper end and a  
lower end and defining a front and back side, wherein said two

1 vertically extending posts are positioned in a preselected spaced relationship;

at least one panel member interconnecting said two vertically extending posts substantially along the entire length of said posts;

5 [and]

two holdown bolts that are anchored in said foundation of said building; and

two attachment points which are respectively connected to said lower ends of said two vertically extending posts wherein said both of said two attachment points are [configured to be] respectively attached to [a] said two holdown bolts [bolt that is anchored in said foundation of said building to thereby anchor said vertically extending posts to said foundation,] and wherein said apparatus is [configured to allow for installation in] connected to said wall by [attaching] said two attachment points attached to said holdown bolts and [connecting] said upper [portion] end of said vertical posts attached to said upper [plate] portions of said wall so that said apparatus thereby reduces the tendency of said upper [plate] portions of said wall to move relative said foundation as a result of shear stress by transmitting said shear stress from said upper portions of said wall through said vertical members and said at least one panel member to said anchor points and said holdown bolts positioned in said foundation, and wherein said posts and said panel of said apparatus for reducing the tendency of said wall to move are separate members from said studs, said upper plate and said lower plate of said wall.

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11. (Once amended) The apparatus of Claim 10, further comprising:  
an upper horizontal member that interconnects said upper portions of said two vertical posts, wherein connection between said upper [portions] ends of said vertical posts is achieved by connecting said upper horizontal member to said upper [plate] ends of said vertical posts; and

a lower horizontal member that interconnects said lower [portions] ends of said two vertical posts, and wherein said upper horizontal and said lower horizontal members are separate members from said upper plate and said lower plate of said wall.

1. <sup>9</sup> ~~12~~. (Once amended) The apparatus of Claim <sup>8</sup> ~~11~~, wherein said one or more [planar] panel members is comprised of two [planar] panel members attached to said front and said back side of said two vertical posts and to said upper and lower horizontal members.
10. <sup>9</sup> ~~13~~. (Once amended) The apparatus of Claim <sup>9</sup> ~~12~~, wherein said two attachment points are comprised of two brackets that are [configured to be] connected to said holdown bolts in said foundation, wherein said two brackets [are configured to] receive said lower horizontal member and said two vertical posts so that said lower horizontal member and said two posts can be fixedly attached to said brackets.

11. <sup>65</sup> ~~14~~. (Once amended) The apparatus of Claim <sup>70</sup> ~~10~~, further comprising shear bolts mounted in said foundation and wherein said lower horizontal member is [configured to be] attached to said shear bolts mounted in said foundation to thereby reduce the likelihood of a lower portion of said [shear panel] apparatus becoming dislodged from said foundation in response to lateral forces applied to said wall.

20 Please add the following new claims:

12. <sup>22</sup> ~~22~~. The apparatus of claim <sup>10</sup> ~~10~~, where said apparatus is dimensioned so that a gap exists between said apparatus and said upper plate of said wall. --
25. <sup>13</sup> ~~23~~. The apparatus of claim <sup>7</sup> ~~10~~, wherein said panel of the apparatus is not directly connected to any of the studs, the upper plate or the lower plate of said wall. --
14. <sup>7</sup> ~~24~~. The apparatus of claim <sup>7</sup> ~~10~~, wherein said apparatus connects to said upper plate of said wall. --
15. <sup>8</sup> ~~25~~. The apparatus of claim <sup>11</sup> ~~11~~, wherein said panel does not extend beyond said upper horizontal member of said apparatus. --

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1 -- <sup>16</sup>26. A method of building a wall so that the tendency of an upper portion of a wall having an upper plate to move relative a lower portion of said wall is reduced, said method comprising the steps of:

5 providing a foundation for said wall, wherein one or more holdown bolts are each installed in said foundation at a pre-selected location in said foundation;

mounting two or more studs so as to extend substantially vertically upward from said foundation;

10 positioning an upper plate on a top surface of said two or more studs;

attaching a lower portion of a shear reduction panel to said holdown bolts so that said panel is positioned between said two studs, said shear reduction panel being pre-assembled to have two vertical posts, an upper horizontal member and a lower horizontal member connecting said two vertical posts, and at least one panel interconnecting said two vertical posts substantially along the vertical lengths of said posts; and

15 attaching an upper portion of said shear reduction panel to said upper plate of said wall so that movement of said upper plate of said wall in response to lateral forces applied to said wall is reduced as a result of the lateral forces being transmitted through the vertical posts and the interconnecting panel to the holdown bolts mounted in the foundation.

25 -- <sup>17</sup>27. The method of claim <sup>16</sup>26, wherein said panel does not extend beyond said upper horizontal member of said apparatus. --

30 -- <sup>18</sup>28. The method of claim <sup>16</sup>26, wherein said pre-assembled shear reduction panel is dimensioned so that a gap exists between said shear reduction panel and said upper plate of said wall. --

35 -- <sup>19</sup>29. A method of building a wall so that the tendency of an upper portion of a wall having an upper plate to move relative a lower portion of said wall is reduced, said method comprising the steps of:

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1 providing a foundation for said wall, wherein one or more  
holdown bolts are each installed in said foundation at a pre-selected  
location in said foundation;  
mounting two or more studs so as to extend substantially  
5 vertically upward from said foundation;  
positioning an upper plate on a top surface of said two or more  
studs;  
attaching a lower portion of a shear reduction panel to said  
holdown bolts so that said panel is positioned between said two studs,  
10 said shear reduction panel being pre-assembled to have an upper  
horizontal member and a lower horizontal member, and at least one  
panel interconnecting said upper horizontal member and said lower  
horizontal member; and  
attaching an upper portion of said shear reduction panel to said  
15 upper plate of said wall so that movement of said upper plate of said  
wall in response to lateral forces applied to said wall is reduced as a  
result of the lateral forces being transmitted through the vertical posts  
and the interconnecting panel to the holdown bolts mounted in the  
foundation. --

20 -- <sup>20</sup>30. The method of claim <sup>19</sup>29, wherein said panel has lips that extend  
substantially perpendicular to the panel and then substantially parallel to the  
panel. --

25 -- <sup>21</sup>31. The method of claim <sup>20</sup>30, wherein said upper and lower horizontal  
members are U-shaped. --

30 -- <sup>22</sup>32. The method of claim <sup>21</sup>31, wherein said shear reduction panel further  
comprises thick plates connected to said shear reduction panel where said  
shear reduction panel connects to said holdown bolts. --

35 -- <sup>23</sup>33. An apparatus for reducing the tendency of an upper portion of a wall  
in a building to move with respect to a foundation as a result of lateral forces  
applied in a direction parallel to the wall, said apparatus in combination with  
said wall comprising:

1            said wall, said wall having an upper plate, a lower plate, and  
studs connecting said upper plate to said lower plate, said studs  
supporting said upper plate;

5                   said apparatus inserted within and connected to said wall, said  
                  apparatus comprising

upper and lower horizontal members, wherein said upper and lower horizontal members are positioned in a pre-selected spaced relationship;

at least one panel member interconnecting said upper and lower  
10 horizontal members; and

two holdown bolts that are anchored in a foundation of said wall, wherein said apparatus is attached to said two holdown bolts and wherein said apparatus is connected to said wall by said upper horizontal member attached to said upper portions of said wall so that said apparatus thereby reduces the tendency of said upper portion of said wall to move relative said foundation as a result of shear stress by transmitting said shear stress from said upper portion of said wall through said at least one panel member to said holdown bolts positioned in said foundation, and wherein said upper and said lower horizontal members and said panel of said apparatus for reducing the tendency of said wall to move are separate members from said studs, said upper plate and said lower plate of said wall. --

-- <sup>24</sup>34. The method of claim <sup>23</sup>33, wherein said panel has lips that extend  
25 substantially perpendicular to the panel and then substantially parallel to the  
panel. --

-- <sup>25</sup>35. The method of claim <sup>24</sup>34, wherein said upper and lower horizontal members are U-shaped. --

30 <sup>24</sup> -- <sup>25</sup> 36. The method of claim 35, wherein said apparatus further comprises thick plates connected to said shear reduction panel where said shear reduction panel connects to said holdown bolts. --